



IT Investment Board Briefing Fred Duball & Joe Fay, Program Directors July 20, 2006

Virginia Information Technologies Agency









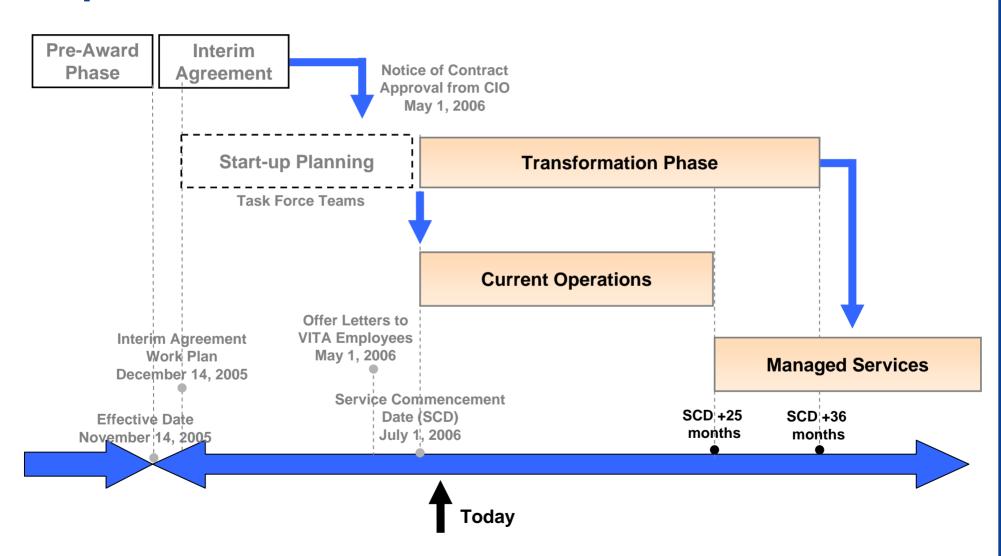
Executive Summary

- Significant achievements and accomplishments since November 14, 2005
 - Successful Service Commencement (SCD) July 1, 2006
 - Continuity of infrastructure services maintained as responsibility transitioned from VITA to Northrop Grumman
 - Staffing, preparations and process changes related to finance, contracts, transition and transformation planning and execution
 - Highly successful Employee Transition unparalleled outreach, information and communications resulted in 552 acceptances (65%)
 - Groundbreaking for the Commonwealth Enterprise Solutions Center (CESC) May 23
- A number of Interim Phase and Start-up items continue
 - Employee acceptance and transition will continue through September 2006
 - Infrastructure-related contracts and financial processes and reporting go into production
- Program interactions and governance have evolved from Interim and Start-up to
 - Customer Interaction
 - Current Operations
 - Transformation
- Program-wide IV&V began June 19 with CACI





Implementation Timeline







SCD Readiness & Closeout of Interim and Start-Up Phases

The IT future just got a little brighter in Virginia.

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Service Commencement Readiness (SCD)

- Readiness Reviews provided clear focus to and through SCD
 - Established comprehensive criteria to demonstrate readiness
 - Forum for status and progress on preparations through formal, weekly criteria reviews
 - Received formal approval during June 9 review from ITIB and Executive Management (Hugh Taylor, Lem Stewart and Len Pomata) for Northrop Grumman to assume responsibility for infrastructure operations on SCD
- Stood up temporary SCD Command Center June 27 July 14 to handle SCD related issues
 - Resolved 22 issues
 - Has evolved to an infrastructure operations internal governance mechanism
- SCD Readiness "punch list" of 44 action items tracked from June 9
 - 36 closed
 - 2 deemed non-critical for SCD but are being worked to closure
 - 6 moved to Program Action Register





Post-SCD Punch List Status

Item	Area	Date	Action	Status
21	Jim Wilson - NG Finance		Provide pro forma invoice to VITA	Template framework completed - Test Invoice with data to be completed mid-
		1721700	miveled to viii/t	July
	Cynthia	6/15/2006	Complete financial	1 of the 3 system changes that are
31	Cordova- Edwards - VITA Commercial			necessary for SCD completed by 6/30. Changes to remaining 2 will take place
	Mgmt			Post SCD





Readiness Criteria Status at SCD

- Criteria defined in advance
- Cross-functional approach, included financial & procurement requirements and interfaces with NG systems
- Nine detailed reviews conducted from April to June
- Included NG & VITA executives, functional & technical experts
- Organization structured to maintain service delivery continuity

Area	Criteria	7/1
Human Resources	Hold regional employee briefings	
	Conduct 1-on-1 benefit sessions	
	Deliver offer letters and benefit packets	
	Prepare to on-board employees	
	Prepare to off-board employees	
	Develop and deliver manager and employee toolkits	
Service Delivery	Understand the existing organization	
	Know the agencies and their mission/needs	
	Understand how the existing organization supports its customers	
	Determine/implement organizational changes	
	Fold the VITA organization/processes into NG	
	Establish Metrics for Performance Measurement	
	Evaluate/Disposition Current Projects	
Finance	Finalize and Verify NG Financial Processes	
	Finalize and Verify VITA Financial Processes	
Procurement	Establish P2P and RFS Processes	
	Establish/Transfer In-scope Sub-Contract Agreements	
Communications	Build Customer Awareness for Service Commencement Impacts	





Employee Acceptance and Transition (as of 7/7)

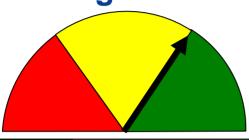
Offer Type	Total		Acceptances		Declines		No Response		Termed	
	Total	%	Count	%	Count	%	Count	%	Count	%
Full Time	811	95.6	530	65.4	126	15.5	133	16.4	22	2.7
Part Time	1	0.1	1	100	0	0.0	0	0.0	0	0.0
Casual	36	4.2	21	58.3	0	0.0	11	30.6	4	11.1
Total	848	100	552	65.1	126	14.9	144	17.0	26	3.1

- 13 regional meetings attended by 93% of in-scope employees during March and April
- 850 offer letters sent May 1 to in-scope VITA employees
- Offered 600 appointments and completed 232 one-on-one benefits sessions for 27% of employees in May and June
- In June launched transition toolkits for managers and employees to navigate matrix management model
- Successfully transitioned 552 employees to Northrop Grumman July 1
- Focus continues on future waves of acceptances through September 12 and orientation events in September and October





Program Vital Few Dashboard Week Ending 6/30/06 - Closeout



Employee Transition	Executing to plan. Wave 1 onboarding complete.
Current Operations	SCD-CC Operational. Final planning completed for SCD. Tracking SCD Punch List.
Critical Milestones Transformation	3 projects in execution – working to finalize Initiation Phase artifacts
Financial Readiness	Ongoing Contract Negotiations and Transition

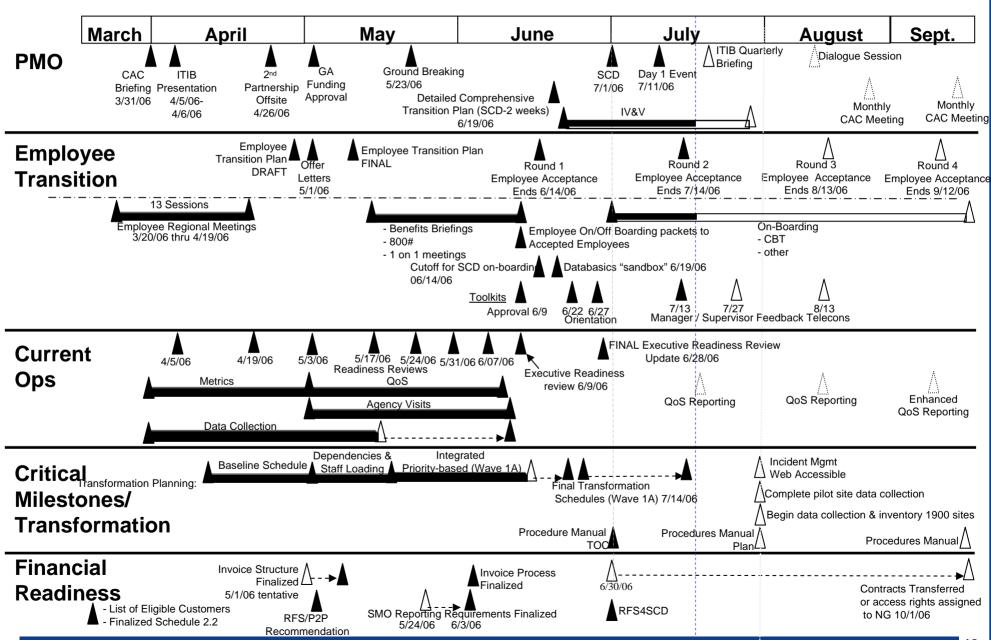
Risk Description	Potential Impact Description	Risk Mitigation Activities
MOUII and Federal Funding approval	Partnership Budget	FMS pursuing Federal approval; Proceeding as if approval received

Issue Description	Actual Impact Description	Resolution Activities
VITA financial systems modifications	Limited VITA financial reporting	Aggressively tackling VITA system changes
On-Going Contract Negotiations and Transition	Assumed and Shared/Retained contracts need to be properly handled to support partnership objectives	VITA obtained access rights for July 1; NG focused on HW and Support. Both addressed Key Suppliers. Develop process and plan for executing contract disposition.





Vital Few Milestones







Comprehensive Infrastructure Agreement (CIA) Update

- Total of 21 modifications agreed to in principle during Interim Phase
- 11 modifications executed by 7/1/06
 - Carry-over leave for employees, commencement of lease payments, payment of transition phase invoice
- 6 modifications drafted and under review by VITA and NG
 - State vehicle use, time frame for completion of RPB relocation efforts, employee qualification and verification, managed employee reimbursement, overall fee limitation and annual partnership budget
- 4 modifications in progress
 - Assumed/shared contracts, leaseback option for NG, allowance for facility, removal of in-scope employees from baselines
- VITA and NG to review and discuss the following additional items
 - Milestone dates and payments based on revised revenue projections
 - Prepayments, depreciation, eVA fees, Voice over IP (VoIP)





Evolving from Start-up and Interim to Current Operations and Transformation

- Vital Few
 - Employee Transition
 - Current Operations
 - Critical Milestones/ Transformation
 - Financial Readiness
- Joint Task Forces
 - SDM
 - Commercial Management
 - FMS-2B
 - Comms
 - Change
 - HR

- Transition Closeout
 - SCD Command Center & Punch List
 - Vital Few closure
 - Finance, Contracts, CIA
- Current Operations
 - End-User Services (EUS)
 - Data Center Services (DCS)
 - Network Services (NWS)
 - Security Services (SS)
- Transformation
 - EUS, DCS, NWS, SS





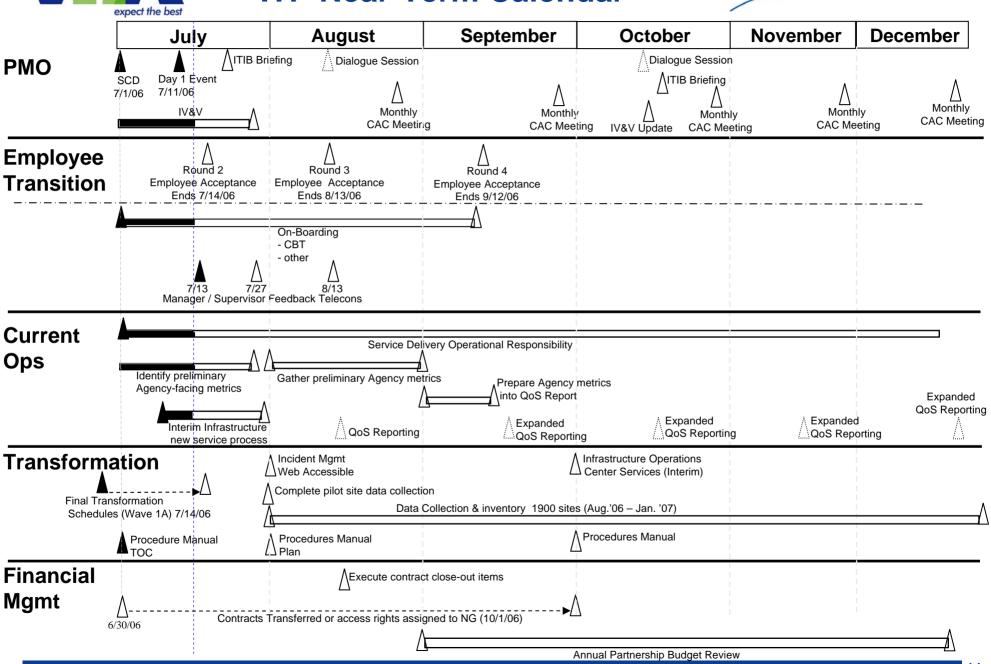
Elevating Overall IT Infrastructure Program View

- An end-to-end perspective of ITP's status and progress
 - Benefits Realization
 Value to various stakeholders, economic development, higher education partnerships and community outreach, etc.
 - Stakeholder Relationship Management
 Customer satisfaction and transformation readiness, effective
 internal and external communications, employee transition and
 development, supplier relationships, etc.
 - Governance
 Program & project management and controls, integration and interdependencies, budget and fiscal health, CIA management, IV&V, etc.



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ITP Near-Term Calendar





Customer Interactions

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Customer Input Is Vital to ITP Success

- Mature transformation plans and seek customer agreement on transformation scheduling
- Host Customer Advisory Council meetings
 - 10 AITRs representing Secretariats and small, medium and large agencies
 - Established forum for open dialogue and active participation 5 sessions to date
 - Facilitated endorsement on transformation scheduling approach
 - Obtained positive feedback on future security solution
 - Influenced revision to interim procure to pay process
 - Improved understanding on MOU2 approach and future direction
- Continue agency leadership meetings
- Incorporate customer feedback and input to improve Transformation and Current Operations





Transformation for Customers Pilot and Preliminary Wave 1

- Agency IT leadership meetings conducted
 - Transformation presentation
 - Agency transformation order criteria and survey
- Pilot Agencies identified
 - Department of Veterans Services
 - Virginia Museum of Natural History
 - Department of Minority Business Enterprise
 - Department of Criminal Justice Services
- Preliminary Transformation Wave 1
 - Department of Corrections
 - Virginia Museum of Fine Arts



Current Operations

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Infrastructure Service Areas Defined

End User Services (EUS)

Desktops: 68,457 Help Desks: 42 Messaging Systems: 48

Data Center Services (DCS)

Mainframes: 5 Servers: 3,287 Facilities

Network Services (NWS)

Circuits: 2876 Voice Networks/Circuits: 70,000 Video Bridges: 10

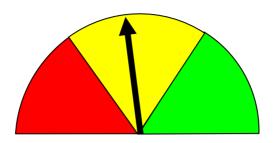
Security Services (SS)

VITA Central and Agency-based





Current Operations Dashboard



Quality of Service (QoS) Report (June)

	3% Desktop
EUS	18% Messaging
	36% Help Desk
	Mainframe 100%
DCS	6% Servers
NIMC	Communication – Data 90%
NWS	0% Communication - Voice
Security	60% Security

Note: Baselined percentages represent environment measured

Risk/Issue/ Incident	Impact	Resolution Activities
Issue: Unable to measure enterprise service levels against MOUs	Measure and monitor service delivery	Evaluate reasonable means to measure
Issue: Lack of request for service process	Delay in service requests and counter productive effort	Create and implement streamlined RFS process
Incident: Statewide outage at VDOT on 7/6/09	Workers could not access the network	Completed root cause analysis and implementing corrective action





Quality of Service (QoS) Summary

			F	Performance			
	Metrics Definition	<30 sec	Apr-06	May-06	Jun-06		
	Average Speed to Answer	<30 sec	26	27	32		
	Call Abandon Rate	< 5%	5.63%	9.16%	5.41%		
	Email Response	<60 mins	15	14	15		
EUS	Voicemail Response	<30 mins	14	14	15		
	First Call Resolution	>70%	18%	23%	21%		
	VITA Messaging System Availability	>99.0%	100%	100%	99.97%		
	Shared Messaging System Availability	>99.0%	100%	99.99%	99.8%		
	IBM Mainframe Availability	>99.9%	100%	99.98%	99.95%		
D00	Unisys Mainframe Availability	>99.9%	100%	100%	100%		
DCS	UNIX Server Availability	>99%	99.6%	99.95%	99.87%		
	Windows Server Availability	>99%	99.6%	99.93%	99.98%		
NWS	Circuits Availability*	>99.98%	99.3%	99.3%	n/a		

^{*} Measurement methodology being revised





Path to Automated SLA Reporting

Service Area	Interim Reporting Objectives	Service Levels (SLA)				
End User Services (EUS)	•					
Help Desk Services	Jun-07	Jul-08				
Messaging Services	Oct-07	Jun-09				
Desktop Computing	Jun-07	Apr-09				
Data Center Services (DCS)						
Mainframe & Server Services	Jun-07	Jun-09				
Network Services (NWS)						
Data Network Services	May-07	Dec-08				
Voice & Video Telecom	May-07	Jul-08				
Security Services (SS)						
Security Services	May-07	Jun-09				





Transformation

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Transformation Projects

Help Desk

Enterprise Help Desk in Lebanon and Meadowville Field Based agents and technicians for Level 3 Enterprise Help Desk System (Peregrine)

End User Services (EUS)

Desktop

Mass Desktop Refresh Projects Network Printer Consolidation and Refresh Enterprise Desktop Management Systems

Messaging Services

Enterprise Exchange/Outlook Email Enterprise Collaboration tools Active Directory, DNS, DHCP

Data Center Services (DCS)

Mainframe and Servers

New IBM and Unisys Mainframes in new Data Center Consolidation and refresh of servers Migration of servers to the data center

Facilities

New Data Center/Office Building in Meadowville New Disaster Recovery Center and Help Desk in Lebanon/Russell County

Network Services (NWS)

Network

New Commonwealth wide MPLS Core WAN LAN upgrades to local switches/routers as needed Network Re-addressing of IP

Voice / Video

Voice over IP
Network optimized for voice and video traffic

Security Services (SS)

Security

Enterprise Security Operations Center Computer Security Incident Response Center Secure Internet Gateway





Transformation Launch Phase

- Data collection
 - Pilot data collection and inventory at 3 sites: July 2006
 - Incorporate lessons learned and process adjustments
 - Full data collection and inventory ~1,900 sites: Aug 2006 to Jan 2007
- Desktop & help desk transformation
 - Pilot agencies: Dec 2006 to Feb 2007
 - Review pilot results, include customer feedback and make modifications to transformation processes
 - Begin help desk deployment and refresh of 8,000 PCs per quarter
 March 2007 to April 2009
- Network deployment will follow
 - MPLS core complete Sept 2007



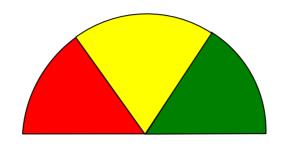


	expect the	best				
		2006	2007	2008	to 2011	
	months	J A S O N D	J	J F M A M J J A S O N D	J F M A	
	<u>Domains</u>		Transformation Phase (36	6 Months to June 2009)	į	
	General	Service Commencement 7/1/06 Procedures SCD+3 (8/1	Manual ITIL Process Optimization Com (06)	nplete SCD+23 (6/1/08) C SCD+22 (5/1/08)		
	Help Desk	Incident Mgmt. Web Accessible SCD+1 (8/1/06)	Produ /	ction Incident Mgmt System SPOC Help Desk (SWESC) SCD+24 (7/1/08)		
EUS	Desktop	Refresh	esktop SCD+8 (3/1/07)	Complete Desktop SCD+32	Refresh (3/1/09)	
	Messaging	Single Statewide A	ddress List DNS / WINS Infrastructure SCD+13 (8/1/07)		rprise messaging 90% complete SCD+ 35 (6/1/09)	
DCS	Facilities		CESC Ready for Occupancy SCD+12 (7/1/07) SWESC Ready For Occupancy SCD+16 (11/1/07)	RPB Migration Complete SCD+19 (2/1/08)		
	Mainframe / Server		Mainframe / server workload migration from RPB to CESC SCD+18 (1/1/08)	√ Ser	ver Consolidation 90% Complete SCD+35 (6/1/09)	
NWS	Data Network	Temp. I SCD+4		orise NOC Complete Agency LAN migration \(\) 16 (11/1/07) (90%)SCD+30 (1/1/09)		
Z	Voice	And Recom	ture Design nendations 0+9 (4/1/07)	VoIP C S	CD+63 10/01/11	
SS	Security	Interim Secularity Incident trace and Mgmt S SCD+3 (10/	king Program Operational SCD+20 ystem CSIRC C	(3/1/08) omplete //		





Transformation Dashboard



FUO	Help Desk	Help Desk Peregrine web accessible on schedule for 8/1/06.	Risk / Issue Description	Impact Description	
EUS	Desktop	Planning being finalized.	Issue: Budget	Specific impact unknown until all planning is complete	
	Messaging	r tarring being intanzed.	reduction will		
	Facilities	CESC facility on schedule for 7/1/07 CO.	impact overall rollout schedule.		
DCS	Mainframe/Server	Planning being finalized.	Piek: Agencies	Transformation and	
	Cross Function	Procedures manual on schedule for 10/1/06.	Risk: Agencies to be identified	agency planning wi	
NWS	Data Network	Planning being finalized.	for the full transformation rollout plans.	delay meeting the scheduled rollout.	
	Voice Network		Risk: Network planning behind	Delay in transformation rollo	
SS	Security	Interim Security Incident tracking and Management system on schedule for 10/1/06.	schedule	schedule	
H					

Risk / Issue Description	Impact Description	Resolution Activities
Issue: Budget reduction will impact overall rollout schedule.	Specific impact unknown until all planning is completed	Complete budget review process. Re-solution transformation / rollout.
Risk: Agencies to be identified for the full transformation rollout plans.	Transformation and agency planning will delay meeting the scheduled rollout.	Develop a rolling 6 month look ahead schedule of agencies for deployment.
Risk: Network planning behind schedule	Delay in transformation rollout schedule	Leverage additional resources





Commonwealth Enterprise Solutions Center - CESC

- Being built by NGC for VITA
- Primary Data Center
- CMOC facility for
 - network operations
 - call center
 - security operations
- Groundbreaking Event with Jim O'Neill & Governor Kaine May 23
- Lease with developer (COPT) executed
- Site grading is complete
- Site preparation complete footings and foundations underway
- The electrical and mechanical designs are out for bid; subcontractor selection will be complete by July 21
- Expect Chesterfield County to issue the building permit by July 21
- Facility construction on schedule for July 1, 2007 occupancy







Southwest Enterprise Solutions Center - SWESC

- Primary VITA Help Desk
- Primary Northrop Grumman Help Desk
- Southwest Training Center
- Video Teleconferencing Center
- Disaster Recovery Data Center
- Backup CMOC facility for
 - data center operations
 - network operations
 - security operations
 - physical security monitoring
- Final detailed building documents complete October 2006
- Leveraging same builder, architect, developer and consultant
- Groundbreaking Event October 2006
- Building on schedule for October 2007 Occupancy





Independent Verification & Validation

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Independent Verification and Validation (IV&V)

- Initial IV&V review of IT Infrastructure Partnership (ITP) program management practices began June 19 to be completed end of July
- Initial emphasis placed on development of an IV&V review framework compatible with the existing VITA PMD IV&V Program and suitable for use in future assessments
- Similar to the VITA PMD IV&V Program, the program management components of the ITP IV&V Framework are based upon the "best practices"
 - PMBOK, 3rd Edition as elevated to the program management level by PMI
 - Organizational Project Management Maturity Model (OPM3)
 - Program Management Standard





Independent Verification and Validation (IV&V)

- The operational (IT service management) components of the ITP IV&V Framework will be based upon ITIL
- The ITP IV&V Framework specifies the assessment of 39 Review Areas within 9 Practice Areas. The ITP IV&V Framework also specifies the accomplishment of 111 verification-level IV&V Tasks
- Personnel interviews began the last week of June and will continue through the end of this week
- Documentation reviews are ongoing
- The draft ITP IV&V Review Report is due 28 July
- Three quarterly ITP IV&V Reviews are scheduled to coincide with the next three ITIB meetings





Comprehensive Infrastructure Agreement

Assurance Services

Virginia Information Technologies Agency



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Five Types of Assurance Services

- 1. SAS 70 Type II Audit
- 2. Security Audits
- 3. Financial Audit
- 4. Operating Audit
- 5. Right to Audit







SAS 70 Type II Audit (Service Provider)

- Scope: Testing of controls of service delivery that may be relevant to a COV's internal control structure as it relates to an audit of financial statements.
- Frequency: Annual
- Timing: July June (COV FY) Report due two months after audit but not later than by Nov 1.
- Performed by: Third Party Deloitte & Touche
- Description: Known as "Service Provider Audit" AICPA Statement on Audit Standards No. 70





SAS 70 Type II Scoping Approach – Deloitte & Touche

A key objective of the planning process is to evaluate the control environment in a manner such that unusual or unexpected risks of potential material misstatements would be identified during the SAS 70 examination. To this end, the scoping process will consider the following:

- Financial materiality
- Areas of financial risk (including non-material systems)
- Interconnections between material and non-material systems
- Risk factors repeated over time (minor risks not addressed year to year may indicate a higher level of risk)
- Risk factors communicated by VITA or APA (user groups)
- Other Risk Factors such as:
 - Regulatory requirements
 - Potential sources of negative publicity
- Randomness (some non-material systems may be selected at random)
- Contractual requirements





SAS 70 Type II Scoping Approach – Deloitte & Touche

The planning process will utilize several inputs in order to make determinations regarding the scope of processes and controls to be considered. The following list reflects several of the inputs that Deloitte & Touche expects to include:

- Interviews with VITA/NGIT personnel
- Analysis of Security Survey Completed by VITA
- Interviews of key Agency personnel (AITR, ISO and Internal Audit) coordinated through VITA Customer Relationship Management (CRM)
- Examination of VITA and Agency documentation
- Feedback from the APA concerning applicability to financial audits
- Past audits
- Regulatory requirements





Security Audits

- Scope: Every infrastructure location
- Frequency: Relative to Risk, Annual Plan report within two weeks of review.

- Timing: Annual plan multiple reviews
- Performed by: Third Party Deloitte & Touche





Financial Audit

- Scope: Payment and Invoicing
- Frequency: Annual
- Timing: July June (COV FY) Report due two months after audit but not later than by Nov 1.
- Performed by: Third Party Deloitte & Touche





Operational Audit

- Scope: Determined Annually
- Frequency: Annual
- Timing: July June (COV FY) Report due two months after audit but not later than by Nov 1.
- Performed by: Third Party Deloitte & Touche





Right to Audit

Scope: As needed

Frequency: As needed

Timing: As needed

 Performed by: APA, JLARC, DOA or VITA Internal Audit





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QUESTIONS

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